#### INTERNATIONALS RCH REPORT

plication No 3/00045

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A01034/68 A01034/69 A01851/02

A01D34/10 A01D34/47 B62D7/02

According to International Patent Classification (IPC) or to both national classification and IPC:

### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A01D B62D A01B IPC 7

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

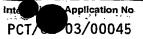
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

### EPO-Internal

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
X	US 5 090 185 A (MEEKS EARL L) 25 February 1992 (1992-02-25) column 4, line 9 - line 49	1,2,4,6, 7,10-12	
A	Column 3, line 50 - line 60; figures  US 4 964 265 A (YOUNG CARL W) 23 October 1990 (1990-10-23) cited in the application column 2, line 37 - line 46 column 3, line 3 - line 42; figures	1.2.4.6.	
Α	DE 43 03 342 A (BAUMANN R & CO) 11 August 1994 (1994-08-11) column 4, line 59 -column 6, line 7; figures	1	
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χ Further documents are listed in the continuation of box C.	γ Patent family members are listed in annex.
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filling date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but later than the priority date claimed</li> </ul>	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  "&" document member of the same patent family
Date of the actual completion of the international search  1 December 2003	Date of mailing of the international search report  09/12/2003
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Rijswijk  Tel. (+31–70) 340–2040, Tx. 31 651 epo nl,  Fax: (+31–70) 340–3016	Authorized officer  Bunn, D

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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		Indiana.
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A	US 6 029 431 A (DOWLER DAVID ET AL) 29 February 2000 (2000-02-29) column 7, line 26 - line 50; figures 1-5		1
<b>A</b>	US 5 667 032 A (KAMLUKIN IGOR) 16 September 1997 (1997-09-16) figures	·	1
<b>A</b>	US 4-041 678 A (CHANEY RAY OWEN ET AL) 16 August 1977 (1977-08-16) the whole document		<b>1</b>
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